

ABSTRACT

A process for producing propylene oxide, which comprises the following steps:

5 oxidation step: a step of obtaining cumene hydroperoxide by oxidizing cumene;

 epoxidation step: a step of obtaining propylene oxide and cumyl alcohol by reacting cumene hydroperoxide obtained in the oxidation step with propylene; and

10 converting step: a step of converting cumyl alcohol obtained in the epoxidation step into cumene in the presence of a solid catalyst and recycling said cumene to the oxidation step,

 wherein a concentration of methylbenzyl alcohol in a liquid containing cumene recycled to the oxidation step, is 1% by weight
15 or less.